

# The National Institute of Allergy and Infectious Diseases

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## Pathogen Functional Genomics Resource Center (PFGRC) at the J. Craig Venter Institute

Visit <http://pfgrc.jcvi.org> for complete details

The National Institute of Allergy and Infectious Diseases (NIAID) has awarded a contract to the J. Craig Venter Institute (JCVI) to establish the Pathogen Functional Genomics Resource Center (PFGRC). The PFGRC is a centralized facility providing the research community with resources necessary to conduct functional genomics research on human pathogens and invertebrate vectors of infectious diseases. The PFGRC provides scientists with genomic resources and reagents such as microarrays, protein expression clones, genotyping and bioinformatics services.

### DNA Glass Slide Microarrays

- The PFGRC designs, constructs, and distributes glass slide DNA microarrays for pathogens and biodefense related organisms (Select A-C agents).

[http://pfgrc.jcvi.org/programs/programs\\_microarray.shtml](http://pfgrc.jcvi.org/programs/programs_microarray.shtml)

### Gateway® Entry Clones for Full Length ORFs

- The PFGRC is making available, at no cost to researchers, complete and custom clone sets as Invitrogen Gateway® Entry Clones.

[http://pfgrc.jcvi.org/programs/programs\\_gateway.shtml](http://pfgrc.jcvi.org/programs/programs_gateway.shtml)

### Comparative Genomics

- The PFGRC conducts research studies in the field of comparative genomics. These studies generally compare the sequence and/or genome content of large collections of closely related species and strains.

[http://pfgrc.jcvi.org/programs/programs\\_cgh.shtml](http://pfgrc.jcvi.org/programs/programs_cgh.shtml)

### Proteomics

- In addition to proteome profiling, the PFGRC Proteomics Group is developing high through put platforms for in vitro and in vivo protein expression and purification utilizing the Gateway® Destination Vector System. Proteins expressed and purified in this manner are targeted for specific applications utilizing protein microarrays.

[http://pfgrc.jcvi.org/programs/programs\\_proteomics.shtml](http://pfgrc.jcvi.org/programs/programs_proteomics.shtml)

### Bioinformatics

- The Bioinformatics Group provides microarray analysis support for the research community.

[http://pfgrc.jcvi.org/programs/programs\\_bioinformatics.shtml](http://pfgrc.jcvi.org/programs/programs_bioinformatics.shtml)



## Call for White Papers in Functional Genomics & Proteomics

### PFGRC Call for White Papers in Functional Genomics

The PFGRC is making its resources, technology platforms, and scientific and technical expertise available for functional genomics and proteomics studies for the purpose of developing genomic/proteomic data sets of broad interest and value to the infectious disease and biodefense research communities in the following areas:

- Microarray and Gene Expression Studies
- Comparative Genomics
- Gene Knock Outs
- Proteomics
- Bioinformatics

### Submitting White Paper Requests

- White Papers should address microorganisms or their invertebrate vector of infectious diseases that are considered agents of bioterrorism or cause emerging or re-emerging infectious diseases.
- Two page pre-proposals are due June 15, 2007 and should be submitted to [preposal@jcv.org](mailto:preposal@jcv.org) and include the following:
  1. The name of the PI
  2. The PI's Institution
  3. Contact information
  4. Proposal title
  5. A summary of the proposed project
- White Papers should be submitted to [whitepaper@jcv.org](mailto:whitepaper@jcv.org)
- Deadline for final White Paper submission is July 31, 2007

### For Complete Information

White Paper Request, Submission, and Review Process please go to:

[http://pfgrc.jcv.org/news/white\\_paper.shtml](http://pfgrc.jcv.org/news/white_paper.shtml)



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